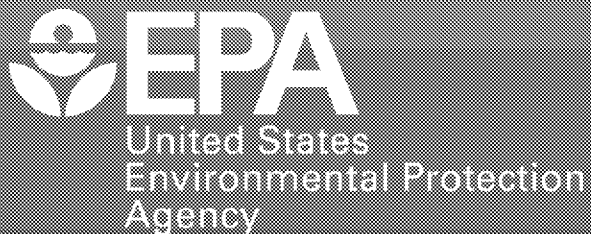


Vasquez Boulevard and I-70 Operable Unit 3 Preliminary Scoping



Preliminary Scoping Overview

◆ Introductions

◆ Purpose

- » Preparation for transition from RAC to RAF contracts
- » Written description of site strategy (site management strategy)
- » Conduct preliminary scoping to help focus workshop activities on obtaining RAF contracting services

◆ Reviewing Recommendations and Uncertainties

- » CSM
- » Site Management Strategy
- » Specific for your RAF Initiation Package

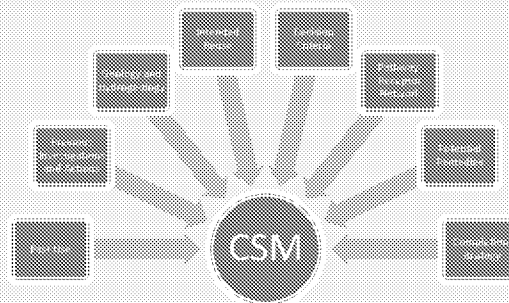
◆ Wrap-up & Feedback

◆ Past Use

- » Omaha & Grant, Argo, Globe Smelters
- » Au, Hg, Cu, Pb, Cd, Zn

◆ Previous Investigations

- » 2007 RI: source soil ~10' bgs, some GW;
- » 2018 RI: GW plume, MW network



◆ Geology and Hydrogeology

- » Fill, weathered claystone, Platte River Sand; 3DVA

◆ Intended Reuse: Commercial, industrial, source area paved; future reuse?

◆ Decision Criteria: GW- restored to MCLs; Soil- ICs, removal?

◆ Pathway Receptor Network: Onsite worker- soil/GW; Offsite res. GW

◆ Potential Remedies

- » Soil- ICs, excavation?; GW- ICs, immobilization/precipitation

◆ Completion Strategy: FS > ROD > RD > LTRA > Closure

- » Data collection time requirements

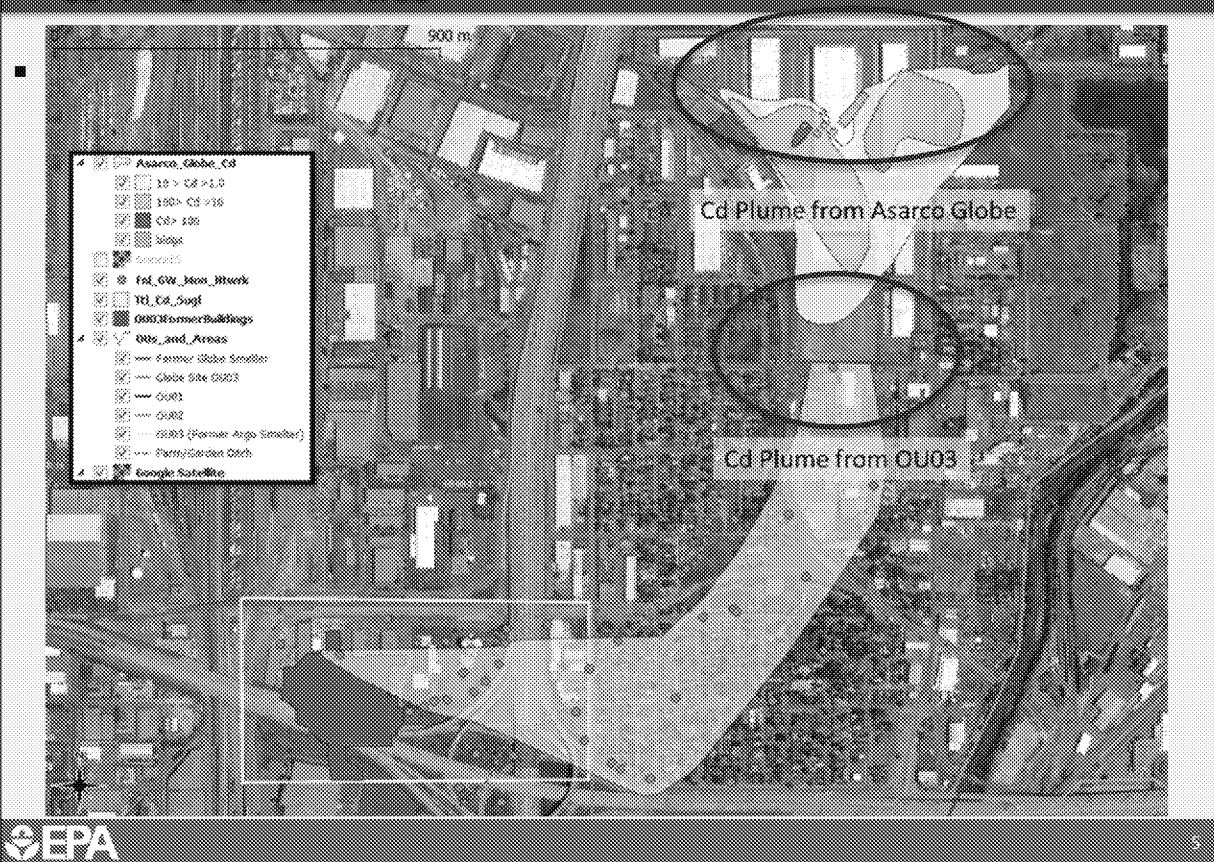
Soil

- ◆ Actual location of source material (smelter waste)
- ◆ PAHs in shallow soil (up to 1')

Groundwater

- ◆ Cd plume link between OU3 and Asarco Globe
- ◆ On going GW monitoring: plume stability, water levels
- ◆ Beneficial Use - will GW be restored to MCLs?

CSM: Uncertainties



Site Completion and Project Objectives

- ◆ FS under RAC -OR- FS only under RAF
 - » Groundwater Site Characterization at the Globeville site
 - » Hydrologic and Geologic connection between Argo and Globeville sites
 - » Uncertainty regarding specific FS tasks and completion date for OU 3 final ROD
- ◆ Remaining phases (ROD, RD, RA)

Site Management Plan/Strategy

Program Schedule by OU Breakouts and Priorities

- ◆ Independent OU3 and priority to finish FS and ROD

- ◆ **Schedule – when to transition to RAF, consider lead time needed**
 - » Schedule and phasing to be completed after understanding groundwater plume strategy

Funding Considerations

- ◆ **Consider the lead time needed for transition to RAF**

Project Delivery Risks

◆ **General Considerations**

- » Identifying 'events' or circumstances (funding, access, weather, equipment/material availability, enforcement issues, community interests, source areas/extent of contamination, uncertainties of subsurface)
- » Evaluation should be based on site completion, program schedule and CSM
- » Project Risk changes depends on pipeline process (changes from RI/FS to RD/RA)

- ◆ **Consider the uncertainties in the site CSM and Strategy that may have risk**

◆ Options:

- » **SOW:** Establishes and defines requirements by specifying the processes and methods the contractor must use to perform the work.
- » **PWS:** describes the required results in clear, specific and objective terms with measurable outcomes. It communicates the government's desired end result rather than dictating how to accomplish the work. QASP for monitoring the contractor's performance is required.
- » **SOO:** is a government-prepared document incorporated into the solicitation, which states the overall performance objectives. It is used in solicitations when the government intends to provide the maximum flexibility to each offeror to propose an innovative solution.

Recommendation: Likely use a Statement of Work

- ◆ **The processes and methods the contractor must use to perform the work are generally well defined based on previous work done at the site and the established RIFS process.**
- ◆ **Specific elements of the work can be identified and are all found in the the DES Statement of Work.**
- ◆ **Flexibility is built into the RAF contracting process**
 - » Consider options for Site Characterization and Treatability Studies
 - » Phasing, FP vs. CR task order types
 - » Systematic Planning Process to refine approach

Work Statement

DES Scope Items (example)

SOW Item	SOW Area	Phase or Option	TO Type	Considerations for N 25 th Street
1	General Requirements			
1.1	Systematic Project Meeting	Phase 1	IP	to confirm approach going forward and in case additional field work is required. 3 rounds in case additional field work is required
1.2	Site Specific Plan Development	Option	CR	
1.3	Project Management, Monitoring and Reporting	All Phases	IP	
1.4	Greener Cleanups and Sustainability	Option	CR	
1.5	Optimization	Option	CR	
1.6	Community involvement	All Phases	CR	
1.7	Task Order Close Out	Option	IP	
2	Field Work and Analytical Support			
2.1	Field Investigation	Option	CR	Assume multiple mobilization/phases to address NSE in all media
2.2	Analytical Support and Data Validation	Option	CR	
2.3	Data Corroboration and Evaluation	Option	CR	
2.4	Develop or Update the Site CSM	Phase 1 and Options for additional Field Work	CR	Assume 3 updates to incorporate new R data in all media, plus the first one
3	Treatability Studies	Option	CR	How to proceed if needed? what's the scope? what's the cost? what's the risk? (soil, gw, sediments)
4	R1/R5			
4.1	R1	Option		Won't know how large the effort is until all media are mobilized
4.1.1	ARARs R1	Option	CR	Confirm if this is needed
4.1.2	Risk Assessment	Option	CR	Assess if this is needed based on the data available until sampling is complete
4.1.3	R1 Report	Option	CR	
4.2	R5	Phase 1	CR	
4.2.1	Develop and Screen Alternatives	Phase 1	CR	
4.2.2	Remedial Alternatives Evaluation	Phase 1	CR	
4.2.3	R5 Report	Phase 1	CR	
4.3	Post R5 Report	Phase 2	CR	
5	EE/EA	Option	CR	
6	RD	Option	CR	
7	Oversight Support	Not needed	N/A	Confirm if this is needed as an option
8	Other Work Areas			
8.1	Technical Assistance Meeting and Support	All Phases	IP	Stakeholder meeting support

8.2	Targeted Brownfields Assessment	Not needed	N/A	Confirm if this is needed as an option
8.3	EPA- Lead RA or RV Support	Not needed	N/A	Confirm if this is needed as an option
8.4	Five Year review	Not needed	N/A	
8.5	Optimization Review	Option	CR	
8.6	Radiation Support	Not Needed	N/A	Confirm that these are not needed
8.7	Regulation, Litigation, and Expert Witness Support	Option	CR	If Regional team needs technical support
8.8	Remedial Management and Administrative Support	All Phases	CR	Confirm if this is needed as an option
8.9	Equip, Services, Utilities, Maintenance, Security	Option	CR	
8.10	EPA Initiatives	Option	CR	

Work Statement

Example DES RI/FS Project Solution

Phase 1
\$489K

T1.1: SPP Initial \$48K (CR)	T1.2: Site Plans, Initial and T2 Event 1 \$70K (CR)	T1.3: PM and Invoicing \$10K/month (FFP)	T1.6: Community Involvement \$80K (CR)	T1.7: TD Closeout \$10K (FFP)	T2: Event 1 \$100K (CR)
T4.1.1: ARARs \$5K (CR)	T4.2.1: FS - Alternative ID \$15K (CR)	T1.1: SPP Phase 2 \$10K (CR)	T8.1: Meeting Support \$24K/yr (CR)	T8.7: Records Management \$15K (FFP)	

Phase 2
\$419K

T1.2: Site Plans Event 2 \$29K (CR)	T1.3: PM and Invoicing \$10K/month (FFP)	T2: Event 2 \$150K (CR)	T4.1.2: HNRA \$70K (CR)	T4.1.2: SLEA \$20K (CR)	T1.1: SPP Phase 3 \$10K (CR)	T8.1: Meeting Support \$24K/yr (CR)
--	---	----------------------------	----------------------------	----------------------------	---------------------------------	--

Phase 3
\$344K

T1.2: Site Plans Event 3 \$25K (CR)	T1.3: PM and Invoicing \$10K/month (FFP)	T2: Event 3 \$100K (CR)	T4.2.2: FS - Screen Alternatives \$20K (CR)	T4.1.3: RI Report \$55K (CR)	T8.1: Meeting Support \$24K/yr (CR)
--	---	----------------------------	--	---------------------------------	--

Phase 4
\$204K

T1.3: PM and Invoicing \$10K/month (FFP)	T4.2.3: FS Report \$45K (CR)	T4.3: Post RI/FS Support \$15K (CR)	T8.1: Meeting Support \$24K/yr (CR)
---	---------------------------------	--	--

Options
\$535K

T1.1: Option SPP Event 4 \$10K (CR)	T2: Option Event 4 \$75K (CR)	T3: Option Treatability Study \$50K (CR)
T4.1.2: Option Full Blown ERA \$100K (CR)	T5: Option EE/CA \$100K (CR)	T6: Option RD \$200K (CR)

Total \$1,456K with no options



Key Capabilities and Qualifications

♦ **Project needs will depend on the items to be included in the RAF contract**

- » If a treatability study is expected, consider the technical expertise and project experience needed to successfully complete FS ROD, and potentially RD
- » If additional characterization is expected to support FS and RD, specify the necessary expertise needed for metals plume assessment

Wrap Up

- ◆ **Refine FS strategy to align with approach to groundwater**
- ◆ **Three products are provided for supporting the RAF contract acquisition**
 - » Task listing for Statement of Work
 - » Key Capabilities and Qualifications
 - » Phasing and Options to support IGE
- ◆ **Use of RAC or RAF contract vehicles**